



Defiant Pride

by Arya Akhavan (January 2015)

Angles for R.I. = 2.160

36 + 8 girdles = 44 facets

2-fold, mirror-image symmetry

96 index

$L/W = 1.500$

$P/W = 0.688$ $C/W = 0.234$

$Vol./W^3 = 0.727$

PAVILION

G1	90.00°	96-48	Set stone width.
G2	90.00°	24-72	Set L/W = 1.5
P1	45.00°	24-72	Set girdle level.
P2	44.00°	24-72	Set step width: $w = (1/12) * L$
P3	43.00°	24-72	Continue even steps.
P4	42.00°	24-72	Continue even steps.
P5	41.00°	24-72	Continue even steps.
P6	40.00°	24-72	Continue even steps.
G3	90.00°	12-36-60-84	Meet G1, P1, P2
P7	54.74°	12-36-60-84	Level girdle.
P8	55.03°	10-38-58-86	Meet P2, P3, P4 (create straight horizontal line)
P9	77.37°	96-48	Level girdle.

CROWN

C1	37.09°	96-48	Set girdle width.
C2	46.91°	12-36-60-84	Level girdle.
C3	60.55°	24-72	Level girdle.
C4	29.38°	96-48	Set step width: $w = (1/8) * W$
C5	20.00°	96-48	Continue even steps.
C6	10.84°	96-48	Continue even steps.

This is the second, significantly more interesting and unique version of my "Pride" design, intended for an 8-color rainbow flag made of pieces of CZ laminated together with Hxtal. This time around, it's an opposed-bar design. The pieces of CZ should be long and thin - the bars on the crown are the exact same width as the pieces of CZ. This should be an awesome, one-of-a-kind gem if the effort is taken correctly.

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